Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/24/2022 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124980	-1	1.89	124892	1.84
Blue	F	SSC	125000	123682	-2	3.20	124140	3.05
Blue	E	FITC	13602	13216	-3	2.48	371	13.85
Blue	D	PE	24891	24487	-2	1.98	581	10.67
Blue	B	PerCP-Cy5-5	33972	33119	-3	3.22	945	14.94
Blue	A	PE-Cy7	22865	22576	-2	5.16	472	30.83
Red	C	APC	47198	46977	-1	2.67	1622	11.35
Red	A	APC-Cy7	26454	25812	-3	3.18	731	12.33
Violet	B	V450	6737	6356	-6	3.72	444	11.45
Violet	A	V500	29317	27938	-5	3.21	959	8.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23783	2.88	542	7	N/A	N/A	Pass
Blue	F	SSC	55418	2.28	520	-1	N/A	N/A	Pass
Blue	E	FITC	56	57.02	489	5	0.0427	224	Pass
Blue	D	PE	112	39.92	492	6	0.3986	325	Pass
Blue	B	PerCP-Cy5-5	150	42.77	585	6	0.0203	127	Pass
Blue	A	PE-Cy7	79	80.87	628	7	0.0219	5	Pass
Red	C	APC	339	25.51	573	1	0.0289	181	Pass
Red	A	APC-Cy7	136	34.42	550	-1	0.0063	1189	Pass
Violet	B	V450	75	48.79	454	4	0.0630	2846	Pass
Violet	A	V500	111	32.95	474	5	0.0256	1144	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.68	-31.42	0.95
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.83	13.90 - 20.86	N/A	N/A	29.84	30.05	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11497

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments